Chapter 5 Review Name:

Use the following function to answer the questions below.

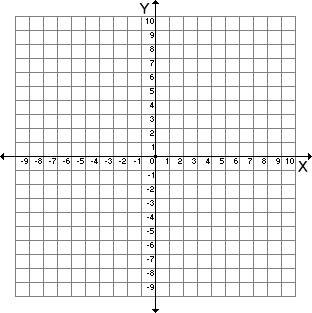
f(x) = 2x2+1

g(x)=x+10

1. (f+g)(x)
2. (f-g)(x)
3. (g-f)(x)
4. (fg)(x)
5. (f/g)(x)
6. (f○g)(x)
7. (g○f)(x)

Find the inverse of the following functions.

1. f(x)= 2x-10
2. f(x)= x2+12



1. Graph the following exponential function and complete the chart.

f(x)=10(.5)x

|  |  |
| --- | --- |
| x | f(x) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Solve the following.

1. log x=1.5
2. log3x=4
3. 2log4(x+2)+5=12
4. 10x=125
5. e0.1x=5.2